

**GAERTNER SCIENTIFIC
CORPORATION**

1201 WRIGHTWOOD AVENUE
CHICAGO, ILLINOIS 60614



*designers and manufacturers of
precision scientific optical and
measuring instruments*



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instruments

GAERTNER SCIENTIFIC CORPORATION / 1201 WRIGHTWOOD AVE., CHICAGO, ILL. 60414 / 312 281-5335 / CABLE: SCIENTIA



When you attend the Electro-Optical Systems Design Conference at the New York Coliseum, September 14-16, we invite you to

Visit our Booth #225

--on the right as you go down the center aisle from the elevators.

You will see the New MOD II Holography System, as described in the enclosed bulletin, and may view an actual hologram made on this equipment.

Also being introduced for the first time is a new, low cost (under \$300.00), Liquid Gate (Plateholder) that permits photoplate processing, in situ, - for real time holography applications.

In addition we will have

a profile sensing head on precision x-y stages with digital readout,

a microscope projection system,

ellipsometer with indicating photometer,

positioning devices,

x-y cathetometer with digital readout,

lathe bed type optical bench with a large variety of accessories including polarizing units, and

measuring microscopes.

Stop by and discuss your instrumentation requirements and problems. We will try to help.

Very truly yours

Lyman W. Higgins

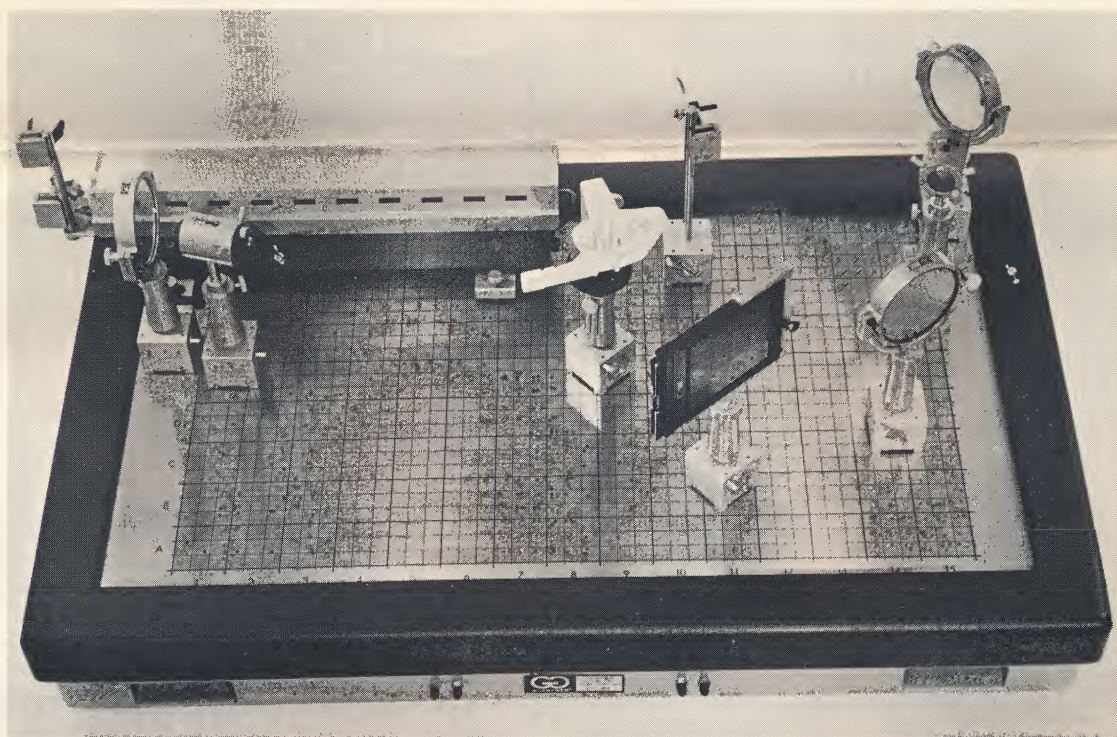
Lyman W. Higgins
Director of Marketing

LWM:mm
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INTRODUCING

THE R132 MOD II (CONVERTIBLE) IMPROVED HOLOGRAPHIC SYSTEM



It's good to compare

We invite comparison with our competition. We believe that dollar for dollar, there is no better system, no better equip-

ment for general holographic experimentation than the R132 MOD II.

It's the MOD thing to do

Ever since our first introduction of a compact and inexpensive holographic system in 1968, Gaertner has been hard at work introducing time and space savers and new ideas to make holography simpler and more relevant.

Improvements have been made so rapidly in this and related areas that equipment purchased just a year or two ago is

threatened with near obsolescence today. Our concern about this very problem led to the development of the R132 MOD II . . . now everyone who purchased any of the earlier Gaertner Holographic Systems may convert to the R132 MOD II at a fraction of the cost of a new system. Obsolescence is minimized by interchangeability and genuine concern for the customer.

It has its advantages

For example: (1) very few components needed, (2) cleaner, brighter holograms, (3) will accommodate future system changes such as interferometric and real-time holography, (4) air suspension system is totally hidden from external expo-

sure to hazards, (5) conveniently compact, (6) easy to set up and easy to use, (7) compatible with Gaertner optical bench components and systems, (8) economical to buy and use.

**It's "Convertible" IF you have a Gaertner System
It's Available if you don't**

To order a complete system you need only specify R132 MOD II and you will receive the following:

Item	Quant.	Cat. No.
Bench, Flat Bed with Air Suspension, 1 meter long	1	R110
Laser, 2 nominal, Single Mode	1	R290
Mounting Bars for Laser	1 pr.	R290B
Beam Deflector	1	R258
Beam Splitter, Variable Segmented	1	R261
Mirrors, Adjustable	3	R255L
Spatial Filter, with 10x objective and 25u pinhole	1	R250
Spatial Filter, with 20x objective and 12.5u pinhole	1	R250-2
Table, Adjustable Specimen	1	R270L
Plate Holder, 4" x 5"	1	R275

The MOD II is standard with a one meter flat bed. If a rail bed is preferred (9 parallel rails separated by recessed scales) substitute R232 for R132 System. If a two meter flat bed is desired, specify R332 System.

Bulletins describing individual components and the systems are available on request. If you need help in identifying your present equipment, drop us a note.

If you already own a Gaertner System carrying one of the following numbers, R120, R122, R220, R222, R320 or R322, then you need only purchase the items shown below (our "Convert-a-Pak"):

Buy These	
Item and Cat. No.	Quantity
Mounting Bars for Laser (R290B)	1 pr.
Beam Splitter, Variable Segmented without base (R261A)	1
Spatial Filter without base (R250A-2)	1
Mirror without base (R255AL)	1
Tube, Support (R280LT)	1

Detailed instructions accompany each R132 MOD II system. These instructions are also provided for everyone ordering a "Convert-a-Pak".

Newcomers are always welcome

For those who have no prior experience with the many fine Gaertner systems, the R132 MOD II will prove itself time after time in research and teaching situations because it is conceptually sound and handily outperforms any previously available and similar system. We sincerely believe that this is an excellent combination of time tested techniques and equipment offered at the lowest possible cost . . . a good value. Step up today. Ask for our quote. We'll both be happy you did.

R132 Specifications:
Size: 48" long x 30" wide x 20" high
Net Weight: 280 lbs.
Shipping Weight: 430 lbs.



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